

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/081330 A2

(51) International Patent Classification⁷: **H01L 41/09**

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(21) International Application Number:
PCT/GB2005/000320

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(22) International Filing Date: 31 January 2005 (31.01.2005)

(25) Filing Language: English

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
0403821.2 20 February 2004 (20.02.2004) GB

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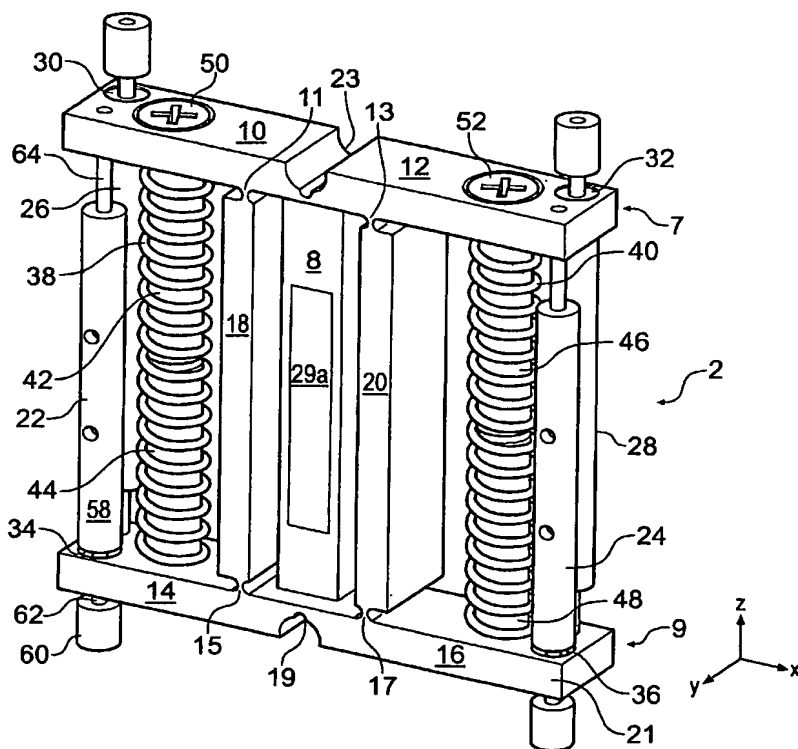
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

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[Continued on next page]

(54) Title: POSITIONER DEVICE



(57) Abstract: A positioner (2) for moving a sample platform (6) relative to a base (4) is described. The positioner is driven by a piezoelectric arranged to expand and contract along a drive axis, the piezoelectric element has an input end coupled to the base and an output end coupled to first (14) and second (16) output levers extending away from the drive axis of the piezoelectric element in opposing directions. The output levers each have an inner arm arranged to be acted on by the piezoelectric element as it expands and an outer arm to which the sample platform is mounted via platform supports (26, 28). The output levers are mounted such that the piezoelectric element acts on the inner arms of the output levers to cause the outer arms to move in a plane containing the drive axis. This motion of the output levers is communicated via the platform supports to the sample platform, so moving it relative to the base along a direction parallel to the drive axis.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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